

AmendmentAmendment to Claims

1. (Once Amended) A camera comprising:

a sensor configured to capture an image and generate a sensor output signal representing the captured image;

an amplifier coupled to receive the sensor output signal, wherein the amplifier is configured to apply multiple gain levels to the sensor output signal; and

a processor coupled to the amplifier, wherein the processor is configured to provide a control signal to the amplifier to adjust the gain levels applied by the amplifier, the processor adapted to adjust the gain level of one portion of the captured image in response to a value of a previous portion of the captured image.

11. (Once amended) An apparatus for capturing an image, comprising a camera, including:

a sensor configured to capture the image and generate a sensor output signal representing the captured image;

an amplifier coupled to receive the sensor output signal, wherein the amplifier has controls to apply multiple gain levels to the sensor output signal; and

a processor coupled to the camera, wherein the processor is configured to receive the sensor output signal, and wherein the processor is configured to provide a control signal to the amplifier to adjust the gain level applied by the amplifier so that the gain level of one portion of the captured image is different than the gain level of another portion of the captured image.

23. (Once amended) An apparatus adapted to process an image, comprising:

D3
an amplifier adapted to apply more than one gain level to the image; and
a processor coupled to the amplifier, wherein the processor is capable of
adjusting the more than one gain level applied by the amplifier in real time.

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34. (Once amended) An apparatus capable of processing an image,
comprising:

an image capture device coupled to the apparatus and capable of providing
the image;

D4
an amplifier coupled to the image capture device, wherein the amplifier is
adapted to apply at least two gain levels, each to a different region of the image;
and

a processor coupled to the amplifier, wherein the processor is adapted to
provide a signal to the amplifier to adjust the at least two gain levels and apply one
gain level to a first portion of the image and a second gain level to a second portion
of the image.